

Claims

- [c1] A carpet cleaning composition comprising:
water,
a terpene hydrocarbon solvent that also functions as a
fragrance,
one or more surfactants,
an anti-soil component, and
an anti-stain component.
- [c2] A carpet cleaning composition according to claim 1
wherein the terpene hydrocarbon solvent is an organic,
low volatility solvent produced from citrus oil extract.
- [c3] A carpet cleaning composition according to claim 1
wherein the terpene hydrocarbon solvent comprises d-
limonene.
- [c4] A carpet cleaning composition according to claim 3
wherein the d-limonene concentration is between about
0.1 and 5 wt. %.
- [c5] A carpet cleaning composition according to claim 4
wherein the d-limonene concentration is between about
0.5 and 2.0 wt. %.

- [c6] A carpet cleaning composition according to claim 5 wherein the d-limonene concentration is about 0.5 wt. %.
- [c7] A carpet cleaning composition according to claim 1 wherein the anti-soil component is a compound containing polysiloxane derivatives.
- [c8] A carpet cleaning composition according to claim 1 wherein the anti-soil component is an acrylate copolymer.
- [c9] A carpet cleaning composition according to claim 1 wherein the anti-soil component concentration is between about 3 and 7 wt. %.
- [c10] A carpet cleaning composition according to claim 9 wherein the anti-soil component concentration is about 5 wt. %.
- [c11] A carpet cleaning composition according to claim 1 wherein the anti-stain component is a compound containing an acrylate resin.
- [c12] A carpet cleaning composition according to claim 1 wherein the anti-stain component concentration is between about 4 and 10 wt. %.
- [c13] A carpet cleaning composition according to claim 12 wherein the anti-stain component concentration is about

8 wt. %.

- [c14] A carpet cleaning composition according to claim 1 wherein the one or more surfactants comprises at least one of an anionic and a nonionic surfactant.
- [c15] A carpet cleaning composition according to claim 14 wherein the one or more surfactants comprises a linear primary alcohol ethoxylate.
- [c16] A carpet cleaning composition according to claim 15 wherein the one or more surfactants further comprises a blend of two alkoxyated lineal alcohols.
- [c17] A carpet cleaning composition according to claim 16 wherein the one or more surfactants further comprises an alkyl naphthalene sodium sulfonate.
- [c18] A carpet cleaning composition according to claim 1 wherein the one or more surfactants concentration is between about 4 and 7 wt. %.
- [c19] A carpet cleaning composition according to claim 18 wherein the one or more surfactants concentration is about 5.5 wt. %.
- [c20] A carpet cleaning composition according to claim 1 and further comprising a pH adjusting agent to maintain a pH in the carpet cleaning composition between 8.5 and

9.5.

- [c21] A carpet cleaning composition according to claim 20 wherein the pH in the carpet cleaning composition is maintained at about 9.0.
- [c22] A carpet cleaning composition according to claim 20 wherein the pH adjusting agent is an alkali metal hydroxide.
- [c23] A carpet cleaning composition according to claim 26 wherein the pH adjusting agent concentration is between about 1 and 6 wt. %.
- [c24] A carpet cleaning composition according to claim 29 wherein the pH adjusting agent concentration is between about 1 and 2 wt. %.
- [c25] A carpet cleaning composition according to claim 1 and further comprising an anti-foam agent.
- [c26] A carpet cleaning composition according to claim 25 wherein the anti-foam agent concentration is between about 0.1 and 1 wt. %.
- [c27] A carpet cleaning composition according to claim 1 wherein the water concentration is between about 70 and 85 wt. %.

- [c28] A carpet cleaning composition comprising:
0.5 to 2.0 % by weight a terpene hydrocarbon solvent
that also functions as a fragrance,
4.0 to 7.0 % by weight one or more surfactants,
3.0 to 5.0 % by weight an anti-soil component,
4.0 to 10.0 % by weight an anti-stain component, and
70 to 85 % by weight water.
- [c29] A carpet cleaning composition according to claim 28 and
further comprising a pH adjusting agent to maintain a
pH in the carpet cleaning composition between 8.5 and
9.5.
- [c30] A carpet cleaning composition according to claim 29 and
further comprising 0.1 to 1.0 % by weight an anti-foam
agent.
- [c31] A carpet cleaning composition according to claim 28
wherein the terpene hydrocarbon solvent is d-limonene.
- [c32] A carpet cleaning composition according to claim 28
wherein the terpene hydrocarbon solvent concentration
is 0.5 % by weight, the one or more surfactants concen-
tration is 5.5 % by weight, the anti-soil component con-
centration is 5.0 % by weight, the anti-stain component
concentration is 8.0 % by weight, and the water concen-
tration is 79.15 % by weight.

